

Appl. No.: 10/736,487

Amdt. Date: September 30, 2004

Reply to Office Action of May 10, 2004

This listing of claims replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

6. (Original) A medium temperature refrigerated merchandiser system comprising:

an insulated cabinet defining a product display area maintained in a refrigerated condition at a temperature above 32 degrees F and having a compartment separate from the product display area;

a relatively high pressure drop evaporator disposed within said compartment;
at least one air circulator disposed within said compartment in cooperative relationship with said evaporator; and

an air circulation circuit connecting said product display area and in direct air flow communication with said compartment.

7. (Presently Amended) A medium temperature refrigerated merchandiser system as recited in claim [1] 6 wherein said relatively high pressure drop evaporator comprises a fin and tube heat exchanger having a fin density in the range of 6 fins per inch to 15 fins per inch.

8. (Presently Amended) A medium temperature refrigerated merchandiser system as recited in claim [2] 7 wherein said fins of said evaporator have an enhanced heat transfer configuration.

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9. (Original) A medium temperature refrigerated merchandiser system comprising:

an insulated cabinet defining a product display area wherein product is maintained in a refrigerated condition at a temperature at or above 32 degrees F and having a compartment separate from the product display area;

a relatively high pressure drop evaporator disposed within said compartment, said evaporator being a fin and tube exchanger having a fin density of at least 6 fins per inch;

at least one air circulator disposed within said compartment in cooperative relationship with said evaporator; and

an air circulation circuit connecting said product display area and in direct air flow communication with said compartment.

10. (Presently Amended) A medium temperature refrigerated merchandiser system [as recited in claim 9 wherein said evaporator has a fin density] comprising:

an insulated cabinet defining a product display area wherein product is maintained in a refrigerated condition at a temperature at or above 32 degrees F and having a compartment separate from the product display area;

a relatively high pressure drop evaporator disposed within said compartment, said evaporator being a fin and tube exchanger having a fin density in the range of 6 fins per inch to 15 fins per inch;

at least one air circulator disposed within said compartment in cooperative relationship with said evaporator; and

an air circulation circuit connecting said product display area and in direct air flow communication with said compartment.

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11. (Original) A medium temperature refrigerated merchandiser system as recited in claim 9 wherein said fins of said evaporator have an enhance heat transfer configuration.

12. (Original) A medium temperature refrigerated merchandiser system as recited in claim 9 wherein said at least one air circulator comprises a plurality of fans disposed in spaced relationship along said evaporator at spaced intervals of about 2 feet.

13. (Original) A medium temperature refrigerated merchandiser system as recited in claim 9 wherein said evaporator is disposed in a draw through flow arrangement with respect to said at least one air circulator whereby the air circulator draws circulating air from said product display area through said evaporator.

14. (New) A medium temperature refrigerated merchandiser system as recited in claim 10 wherein said fins of said evaporator have an enhance heat transfer configuration.

12. (New) A medium temperature refrigerated merchandiser system as recited in claim 10 wherein said at least one air circulator comprises a plurality of fans disposed in spaced relationship along said evaporator at spaced intervals of about 2 feet.

13. (New) A medium temperature refrigerated merchandiser system as recited in claim 10 wherein said evaporator is disposed in a draw through flow arrangement with respect to said at least one air circulator whereby the air circulator draws circulating air from said product display area through said evaporator.